

Remarks/Arguments

Examiner Ms. Joannie Garcia is thanked for the thorough Office Action.

In the Claims

Entry of the amendments is respectfully requested for purposes of appeal.

Parent claim 1 is amended to include the subject matter of objected to claim 41 and all intervening claims. A typographical error in claim 41 is corrected. The doped depletion layer is named correctly in amendment. (~~heavily~~ doped depletion layer). No new matter is added.

Parent claim 1 is amended to correct a grammatical error. In step c), ~~are~~ is changed to is.

Claim 13 is amended to remove the spaces in the scientific notation numbers. "1E17 to 1E19".

Claim 16 is amended to correct a typo (~~4keV~~ 1 keV).

Claim 19 is amended to put the "2" in the superscript position atoms/cm².

Claim 21 is amended to correct a typographical error.

Parent claim 23 and dependent claims 24- 27 and claim 42 are canceled.

Claim 41 is canceled.

New parent claim 44 is added. Claim 44 contains the subject matter of objected to claim 4 and parent claim 1 and all intervening claims.

No new matter is added.

CLAIM REJECTIONS:

Rejection Of Claims 1, 2, 7, 8 and 14 Under 35 U.S.C. § 102(b) as being anticipated by Burr (US Patent Publication 2003/0178698 A1)

The rejection of claims 1, 2, 7, 8 and 14 under 35 U.S.C. § 102(b) as being anticipated by Burr (US Patent Publication 2003/0178698 A1) (the '698 Burr Publication) is acknowledged. Reconsideration and withdraw is respectfully requested in view of the amendments.

Amended claim 1 contains the subject matter of objected to claim 41. Claim 1 should be allowable.

Claims 2, 7, 8 and 14 depend from claim 1 and therefore they are also allowable.

Rejection of claims 12, 13, 15, 18 to 21, 23 to 25 and 42 under 35 U.S.C. § 103(a) as being unpatentable over Burr (US Patent Publication 2003/0178698 A1) as applied to claims 1, 2, 7, 8 and 14 above and further in view of Bae et al. al (US Patent Publication 2004/0075143 A1).

The rejection of claims 12, 13, 15, 18 to 21, 23 to 25 and 42 under 35 U.S.C. § 103(a) as being unpatentable over Burr (US Patent Publication 2003/0178698 A1) (the '698 Burr Publication) as applied to claims 1, 2, 7, 8 and 14 above and further in view of Bae et al. al (US Patent Publication 2004/0075143 A1) (the '143 Bae Publication) is acknowledged. Reconsideration and withdrawal of the rejection is respectfully requested in view of the amendments.

Claims 12, 13, 15, 18 and 21 depend from amended allowable claim 1 and therefore are allowable.

Claims 23 – 25 and 42 are canceled.

ALLOWABLE SUBJECT MATTER

The allowance of claims 38 to 40 and 43 is gratefully acknowledged.

The objection to claims 4, 9 to 11, 16, 17, 22, 26, 27 and 41 as being dependent upon a rejected base claims, but allowable if rewritten in independent form is gratefully acknowledged.

Objected to Claim 4 is rewritten in independent form as New parent claim 44 is added. Claim 44 contains the subject matter of objected to claim 4 and parent claim 1 and all intervening claims.

Objected to Claim 41 is incorporated into parent claim 1. Parent claim 1 is allowable.

Therefore all pending claim should be allowable.

No new matter is added.

CONCLUSION

It is believed that all the pending claims have been addressed. However, the absence of a reply to a specific rejection, issue or comment does not signify agreement with or concession of that rejection, issue or comment. In addition, because the arguments made above may not be exhaustive, there may be reasons for patentability of any or all pending claims (or other claims) that have not been expressed. Finally, nothing in this paper should be construed as an intent to concede any issue with regard to any claim, except as specifically stated in this paper. and the amendment of any claim does not necessarily signify concession of the unpatentability of the claim prior to its amendment.

In conclusion, entry of any amendment is requested. Reconsideration and withdrawal of the rejections are respectfully requested. Allowance of all claims is requested. Issuance of the application is requested.

It is requested that the Examiner telephone the undersigned attorney at (215) 670-2455 should there be anyway that we could help to place this Application in condition for Allowance.

Extension of Time

To the extent necessary, a petition for an extension of time under 37 CFR 1.136 is hereby made.

Charge to Deposit Account

The Commissioner is hereby authorized to apply any fees or credits in this case, which are not already covered by check or credit card, to Deposit Account No. 502018 referencing this attorney docket. The Commissioner is also authorized to charge any additional fee under 37 CFR §1.16 and 1.17 to this Deposit Account.

Respectfully submitted,

/William J. Stoffel REG # 39,390/

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